

## CLAIMS

1. A package useful for packaging fish or other perishable food items, the package comprising a multilayer polymer film having at least one adsorbent layer comprising at least one polymer that removes volatile odiferous compounds from inside of the package, wherein the polymer comprises a copolymer of ethylene with an  $\alpha,\beta$ -ethylenically unsaturated carboxylic acid having from 3 to 8 carbon atoms.
2. The package of Claim 1, wherein the copolymer of ethylene and  $\alpha,\beta$ -ethylenically unsaturated carboxylic acid has up to 99% of the carboxylic acid groups neutralized by metal ions.
3. The package of Claim 1 or Claim 2, wherein the multilayer polymer film has a sealant layer, the sealant layer being the topmost layer of the film such that the sealant layer is in direct contact with the packaged item, wherein the adsorbent layer is the sealant layer.
4. The package of Claim 1 or Claim 2 wherein the film additionally comprises active ingredients which have as one of their properties the adsorption of amines, whereby the capacity of the adsorbent polymer to adsorb the amine is reduced, and whereby the capacity of the adsorbent polymers to adsorb amines is reduced to a level at or below that level of amines generated by fish that is unfit for consumption.
5. The package of Claim 3 wherein the film additionally comprises active ingredients which have as one of their properties the adsorption of amines, whereby the capacity of the adsorbent polymer to adsorb the amine is reduced, and whereby the capacity of the adsorbent polymers to adsorb amines is reduced to a level at or below that level of amines generated by fish that is unfit for consumption.
6. The package of Claim 1 wherein the copolymer comprises from about 1 to about 50% of acid comonomer, by weight, based on the weight of the copolymer.
7. The package of Claim 5, wherein the copolymer comprises from about 2 to about 19% of acid comonomer, by weight, based on the weight of the copolymer.

8. The package of Claim 1, wherein the package has a modified atmosphere headspace.

5 9. A method for removing amines from the headspace of a modified atmosphere package useful for packaging fish or other perishable food items, said package having a multilayer film as part of its structure, comprising incorporating in the multilayer film at least one layer comprising at least one polymer comprising a copolymer of ethylene with an  $\alpha,\beta$ -ethylenically  
10 unsaturated carboxylic acid having from 3 to 8 carbon atoms.

10. The method of Claim 9, wherein the layer incorporated in the multilayer film comprises at least one polymer comprising a copolymer of ethylene with an  $\alpha,\beta$ -ethylenically unsaturated carboxylic acid having from 3 to 8 carbon atoms, said copolymer having up to 99% of the carboxylic acid groups neutralized by metal ions.

11. The method of Claim 10 further comprising the addition of an active ingredient having as one of its properties the ability to adsorb amines.

12. The method of Claim 11 wherein active ingredient is added in an amount sufficient to reduce the capacity of the adsorbent polymer to a level that the polymer, while absorbing enough amine to increase shelf life of packaged fish or other perishable food, does not absorb amine when present at a level that would indicate that the packaged fish or other perishable food is unfit for  
25 consumption.